

GENERAL REQUIREMENTS

SECTION 01005**ADMINISTRATIVE PROVISIONS****PART 1 GENERAL****1.01 REQUIREMENTS INCLUDED**

- A. Title of Work, and type of Contract
- B. Work Sequence
- C. Contractor Use of Premises
- D. Owner Occupancy
- E. Contractor Furnished Services
- F. Allowances
- G. Alternates
- H. Applications For Payment
- I. Coordination
- J. Field Engineering
- K. Reference Standards

1.02 WORK COVERED BY CONTRACT DOCUMENTS

- A. Work of this contract comprises general repair and maintenance of roads in accordance with the drawings and these specifications, together with all appurtenances and related work, and restoration of existing improvements removed or damaged as a consequence of the construction.
- B. The work will be done for West Bountiful City.

1.03 CONTRACT METHOD

- A. Perform the work in its entirety as noted in the Bid Form.
- B. Items noted "NIC" (Not In Contract), will not be installed in this contract.

1.04 WORK SEQUENCE AND NOTIFICATION

- A. Coordinate construction schedule and operations with Engineer and Owner.
- C. Contractor is responsible to provide a traffic control plan and notify neighborhoods in advance of the work. This is to be accomplished by flyer, 24-hours in advance of work.

1.05 CONTRACTOR USE OF PREMISES

- A. Notify the property owner and resident at least 24 hours prior to commencing any work directly affecting a property.
- B. Limit construction operations to areas within the Construction Limits or Easement.
- C. Limit access to site from public roads.

1.06 OWNER OCCUPANCY

Not used.

1.07 CONTRACTOR FURNISHED SERVICES

- A. Contractor's Responsibilities:
 - 1. Coordinate and contract with Testing Laboratory in conducting field tests or in taking samples of materials.

1.08 ALLOWANCES

Not Used

1.09 ALTERNATES

Not used.

1.10 APPLICATION FOR PAYMENT

- A. In accordance with the General Conditions, submit applications for payment for review and approval.

1.11 COORDINATION

- A. Coordinate work of the various sections of specifications to assure efficient and orderly sequence of installation of construction elements, with provisions for accommodation items installed later.

1.12 FIELD ENGINEERING

- A. Verify locations of all existing underground utilities and facilities and other items affecting the work and coordinate work with the owner of those utilities and other facilities. Call Blue-Stakes Location Service at least 48 hours before digging.
- B. Provide field engineering services as required to establish grades, lines, and levels from construction stakes in order to complete the work in accordance with these drawings and specifications.
- C. The locations of existing underground utilities depicted on the drawings are shown in an approximate way only. Determine the exact location of all existing utilities, whether or not shown on the drawings, before commencing work. Contractor shall be responsible for any and all damages which might be occasioned by his failure to exactly locate and preserve any and all underground utilities. If damaged or removed, the existing utility shall be restored or replaced by Contractor in as nearly the original condition and location as is reasonably possible.
- D. Locate and protect survey reference lines, bench marks and monuments provided by the Owner for the control of the work.
- E. If survey control lines and monuments are destroyed or altered as a consequence of construction, replace as directed, at no cost to the Owner.

1.13 REFERENCE STANDARDS

- A. For products specified by association or trade standards, comply with requirements of the standard, except when more rigid requirements are specified or are required by applicable codes.
- B. The date of the standard is that in effect as of the Bid date, or date of Owner-Contractor Agreement when there are no bids, except when a specific date is specified.
- C. Obtain copies of standards when required by individual Specifications section. Maintain copy at jobsite during progress of the specific work.
- D. Schedule of references:

AASHTO	American Association of State Highway and Transportation Officials 444 North Capitol Street, N.W. Washington, DC 20001
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ACI	American Concrete Institute Box 19150 Redford Station Detroit, MI 48219
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AGC	Associated General Contractors of America 1957 E Street, N.W. Washington, DC 20006
AI	Asphalt Institute Asphalt Institute Building College Park, MD 20740
AITC	American Institute of Timber Construction 333 W. Hampden Avenue Englewood, CO 80110
AISC	American Institute of Steel Construction 400 North Michigan Avenue Eighth Floor Chicago, IL 60611
AISI	American Iron and Steel Institute 1000 16th Street, N.W. Washington DC 20036
ANSI	American National Standards Institute 1430 Broadway New York, NY 10018
ASTM	American Society for Testing and Materials 1916 Race Street Philadelphia, PA 19103
AWWA	American Water Works Association 6666 West Quincy Avenue Denver, CO 80235
AWS	American Welding Society 550 LeJeune Road Miami, FL 33135
CLEMTI	Chain Link Fence Manufacturers Institute 1101 Connecticut Avenue, N.W. Washington, DC 20036
CRSI	Concrete Reinforcing Steel Institute 933 Plum Grove Road Schaumburg, IL 60195
EJCDC	Engineers' Joint Contract Documents Committee American Consulting Engineers Council 1050 15th Street, N.W.

Washington, DC 20005

FS Federal Specification
General Services Administration
Specifications and Consumer Information
Distribution Section (WFSIS)
Washington Navy Yard, Bldg. 197
Washington, DC 20407

NEMA National Electrical Manufacturers' Association
2101 L Street, N.W.
Washington, DC 20037

NFPA National Fire Protection Association
Battery March Park
Quincy, MA 02269

UL Underwriters' Laboratories, Inc.
333 Pfingston Road
Northbrook, IL 60062

END OF SECTION

SECTION 01025**MEASUREMENT AND PAYMENT****PART 1 GENERAL****1.1 SECTION INCLUDES**

- A. Measurement and payment criteria applicable to portions of the Work performed under a unit price payment method.
- B. Defect assessment and non-payment for rejected work.

1.2 AUTHORITY

- A. The Engineer will take all measurements and compute quantities accordingly.

1.3 UNIT QUANTITIES SPECIFIED

- A. Quantities and measurements indicated in the Contract Documents are for bidding and contract purposes only. Quantities and measurements supplied or placed in the Work and verified by the Engineer shall determine payment.
- B. If the actual Work requires more or fewer quantities than those quantities indicated, provide the required quantities at the unit sum/prices contracted.

1.4 MEASUREMENT OF QUANTITIES

- A. Measurement Devices:
 - 1. Weigh Scales: Inspected, tested and certified by the applicable state Weights and Measures department within the past year.
 - 2. Platform Scales: Of sufficient size and capacity to accommodate the conveying vehicle.
 - 3. Metering Devices: Inspected, tested and certified by the applicable State department within the past year.
- B. Measurement by Weight: Concrete reinforcing steel, rolled or formed steel or other metal shapes will be measured by handbook weights. Welded assemblies will be measured by handbook or scale weight.
- C. Measurement by Volume: Measured by cubic dimension using mean length, width and height or thickness.

- D. Measurement by Area: Measured by square dimension using mean length and width or radius.
- E. Linear Measurement: Measured by linear dimension, at the item centerline or mean chord.
- F. Stipulated Sum/Price Measurement: Items measured by weight, volume, area, or linear means or combination, as appropriate, as a completed item or unit of the Work.

1.5 PAYMENT

- A. Payment Includes: Full compensation for all required labor, Products, tools, equipment, plant, transportation, services and incidentals; erection, application or installation of an item of the Work; overhead and profit.
- B. Final payment for Work governed by unit prices will be made on the basis of the actual measurements and quantities accepted by the Engineer multiplied by the unit sum/price for Work which is incorporated in or made necessary by the Work.

1.6 DESCRIPTION OF BID ITEMS

- A. Bid Item No. 1 - Mobilization- This is a lump sum item. Payment includes all costs associated with mobilization, demobilization, sanitation and other facilities, bonds, dust control, fees, licenses, permits, administrative services, identifying and marking construction limits, and all costs associated with the project that are not included in other bid items.
- B. Bid Item No. 2 – Slurry Seal – Measurement is based on the actual square yardage installed. Payment includes all labor, equipment, and materials necessary to complete the installation of a Type SS-III slurry seal. The work including cleaning and masking asphalt and concrete surfaces, traffic control, providing notification to affected property owners, placement of materials and clean up.

1.7 MOBILIZATION

- A. If there is no separate bid item in the Bid Form for mobilization, include all mobilization costs with other items of work.
- B. If there is a separate bid item in the Bid Form, mobilization will be paid as follows:
 - 1. Payment will be made at the contract lump sum for "Mobilization Payments will be made in accordance with the following table:

<u>Percent of Original Contract</u>	<u>Percent of Amount Bid for</u>
<u>Amount Earned</u>	<u>Mobilization to be Paid</u>

5%	40
15%	20
40%	30
50%	10

END OF SECTION

SECTION 01300**SUBMITTALS****PART 1 GENERAL****1.01 REQUIREMENTS INCLUDED**

- A. Procedures
- B. Construction Progress Schedules
- C. Schedule of Values
- D. Shop Drawings
- E. Product Data
- F. Manufacturer's Instructions
- G. Manufacturer's Certificates
- H. Samples

1.02 RELATED REQUIREMENTS

- A. Section 01005 - Administrative Provisions
- B. Section 01005 - Administrative Provisions: Applications for Payment.
- C. Section 01400 - Quality Control: Testing Laboratory Reports
- 4. Section 01700 - Contract Closeout: Closeout Submittals

1.03 PROCEDURES

- A. Deliver submittals to Engineer at 550 North 800 West West Bountiful, UT 84087.
- B. Transmit each item under Engineer-accepted form. Identify Project, Contractor, subcontractor, major supplier; identify pertinent Drawing sheet and detail number, and Specification Section number, as appropriate. Identify deviations from Contract Documents. Provide space for Contractor and Engineer review stamps.
- C. After Engineer review of submittal, revise and resubmit as required, identifying changes made since previous submittal.

- D. Distribute copies of reviewed submittals to concerned persons. Instruct recipients to promptly report any inability to comply with provisions.

1.04 PRODUCT DATA

- A. Provide according to specific technical specifications.

1.05 MANUFACTURER'S CERTIFICATES

- A. Provide certificates of compliance with specifications as requested by Engineer or individual Specifications sections.

1.06 SAMPLES

- A. Provide samples of materials as required by individual Specification sections.
- B. Include identification on each sample, giving full information.
- C. Submit the number specified in respective Specification section; one will be retained by Engineer.
- D. Provide field samples of finishes at Project as required by individual Specifications section.

END OF SECTION

SECTION 01400**QUALITY CONTROL****PART 1 GENERAL****1.01 REQUIREMENTS INCLUDED**

- A. General Quality Control
- B. Workmanship
- C. Manufacturer's Instructions
- D. Manufacturer's Certificates
- E. Manufacturer's Field Services
- F. Testing Laboratory Services

1.02 RELATED REQUIREMENTS

- A. Document 00700 - General Conditions
- B. Section 01005 - Administrative Provisions
- C. Section 01300 - Submittals

1.03 QUALITY CONTROL - GENERAL

- A. Maintain quality control over suppliers, manufacturers, products, services, site conditions, and workmanship, to produce work of specified quality.

1.04 WORKMANSHIP

- A. Comply with industry standards except when more restrictive tolerances or specified requirements indicate more rigid standards or more precise workmanship.
- B. Perform work by persons qualified to produce workmanship of specified quality.

1.05 MANUFACTURERS' INSTRUCTIONS

- A. Comply with instructions in full detail, including each step in sequence. Should instructions conflict with Contract Documents, request clarification from Engineer before proceeding.

1.06 MANUFACTURERS' CERTIFICATES

- A. When required by individual Specifications Section, submit manufacturer's certificate, in duplicate, that products meet or exceed specified requirements.

1.07 TESTING LABORATORY SERVICES

- A. Contractor shall employ and pay for services of an Independent Testing Laboratory to perform inspections, tests, and other services required by individual Specification Sections.
- B. Services will be performed in accordance with requirements of local jurisdiction having authority and with specified standards.
- C. Reports will be submitted to Engineer in giving observations and results of tests, indicating compliance or non-compliance with specified standards and with Contract Documents.
- D. Contractor shall contract with Testing Laboratory personnel; furnish tools, samples of materials, mix design, equipment, storage and assistance as requested.
 - 1. Notify Engineer and Testing Laboratory 24 hours prior to expected time for operations requiring testing services.
 - 2. Make arrangements with Testing Laboratory and pay for additional samples and tests for Contractor's convenience.

END OF SECTION

SECTION 01500**CONSTRUCTION FACILITIES AND TEMPORARY CONTROLS****PART 1 GENERAL****1.01 REQUIREMENTS INCLUDED**

- A. Barriers and Enclosures
- B. Protection of Installed Work
- C. Dust, Noise, Water and Storm Water Control
- D. Construction Cleaning
- E. Traffic Regulation
- F. Removal

1.02 RELATED REQUIREMENTS

- A. Section 01005 - Administrative Provisions:
- B. Section 01700 - Contract Closeout:

1.03 BARRIERS AND ENCLOSURES

- A. Provide as required to prevent public entry to construction areas and to protect existing facilities and adjacent properties from damage from construction operations.

1.04 PROTECTION OF INSTALLED WORK

- A. Provide temporary protection for installed products. Control traffic in immediate area to minimize damage. Repair or replace at Owner's option and at the contractor's expense any installed work damaged by traffic, the public, or Work operations.

1.05 DUST, NOISE, WATER, AND STORM WATER CONTROL

- A. Dust Control:
 - 1. Dust control measures shall be implemented by application of water to all work areas, storage areas, haul and access roads, or other areas affected by construction.

2. All work shall be in compliance with the Federal, State and local air pollution standards, and not cause a hazard or nuisance to personnel and the public in the vicinity of the work.
3. Provide and operate mobile tank sprinkling unit or other positive means to prevent air-borne dust from dispersing into atmosphere.
4. Other methods of dust control for haul and access roads may include chemical treatment, light bituminous treatment or other method as approved by the Engineer.
5. Execute work by methods to minimize raising dust from construction operations.

B. Noise Control:

1. Execute construction between the hours of 7:30 A.M. and 6:00 P.M. unless otherwise approved by Owner.

C. Water Control:

1. To obtain water from Owner, the Contractor shall obtain a hydrant meter from the Owner, which shall be attached to a hydrant near the project site.
2. Contractor shall provide a \$1000 deposit to Owner which will be returned when the hydrant meter is returned. There will not be a charge for the water used in connection with the project.

D. Storm Water Control

1. Contractor shall comply with the requirements of the Project Storm Water Pollution Prevention Plan (SWPPP).
2. Owner shall prepare and manage the SWPPP. Inspections will also be performed by the Owner.

1.06 CONSTRUCTION CLEANING

- A. All public and private areas used as haul roads shall be continuously maintained and cleaned of all construction caused debris such as mud, sand, gravel, soils, pavement fragments, sod, etc. Care shall be taken to prevent spillage on haul routes. Any such spillage shall be removed immediately and the area cleaned.
- B. Public roads shall be maintained in accordance with applicable ordinances and regulations.
- C. Throughout all phases of construction, including suspension of work, and until final acceptance of the project, the Contractor shall keep the work site clean and shall remove

daily all refuse, dirt, damaged materials, unusable materials, and all other trash or debris that he has created from his construction activities.

- D. Materials and equipment shall be removed from the site as soon as they are no longer necessary; and upon completion of the work and before final inspection, the entire worksite shall be cleared of equipment, unused materials, and rubbish so as to present a satisfactory clean and neat appearance. All cleanup costs shall be included in the Contractor's Bid.

1.07 TRAFFIC REGULATION

- A. Submit a traffic control plan to the Engineer for review and approval prior to beginning the work.
- B. Control vehicular parking to prevent interference with public traffic and parking, access by emergency vehicles, and Owner's operations.
- C. Monitor parking of construction personnel's vehicles. Maintain vehicular access to and through parking areas.
- D. Prevent parking on or adjacent to access roads or in non-designated areas.
- E. Provide trained and equipped flagmen to regulate traffic when construction operations or traffic encroach on public traffic lanes. Provide control in accordance with local authority having jurisdiction.
- F. Use flares and lights during hours of low visibility to delineate traffic lanes and to guide traffic.
- G. Consult with authorities, establish public thoroughfares to be used for haul routes and site access.
- H. Confine construction traffic to haul routes and designated construction limits.
- I. Provide traffic control at critical areas of haul routes to regulate traffic, to minimize interference with public traffic.
- J. At approaches to site and on site, install at crossroads, detours, parking areas, and elsewhere as needed to direct construction and affected public traffic.
- K. Relocate as Work progresses, to maintain effective traffic control.
- L. Maintain traffic flow to private driveways during entire contract period.
- M. Post-mounted traffic control and informational signs, detour routes, traffic cones and drums, flagman equipment: As approved by local jurisdictions.

- N. Where local jurisdictions have no requirements, construct and erect according to "Manual on Uniform Traffic Control Devices for Streets and Highways" (MUTCD).
- O. Remove equipment and devices when no longer required. Repair damage caused by installation. Remove post settings to a depth of 3 feet.

1.08 REMOVAL

- A. Remove temporary materials, equipment, services, and construction prior to Substantial Completion inspection.
- B. Clean and repair damage caused by installation or use of temporary facilities. Restore existing facilities used during construction to specify, or to original, condition.

END OF SECTION

SECTION 01700**CONTRACT CLOSEOUT****PART 1 GENERAL****1.01 REQUIREMENTS INCLUDED**

- A. Closeout Procedures
- B. Final Cleaning
- C. Project Record Documents
- D. Operation and Maintenance Data
- E. Warranties and Bonds

1.02 RELATED REQUIREMENTS

- A. Document 00700 - General Conditions: Fiscal provisions, legal submittals, and other administrative requirements.
- B. Section 01005 - Administrative Provisions
- C. Section 01500 - Construction Facilities and Temporary Controls: Cleaning During Construction

1.03 CLOSEOUT PROCEDURES

- A. Comply with procedures stated in General Conditions of the Contract for issuance of Certificate of Substantial Completion.
- B. When Contractor considers Work has reached final completion, submit written certification that Contract Documents have been reviewed, Work has been inspected, and that Work is complete in accordance with Contract Documents and ready for Engineer's review.
- C. In addition to submittals required by the conditions of the Contract, provide submittals required by governing authorities, and submit a final statement of accounting giving total adjusted Contract Sum, previous payments, and sum remaining due.
- D. Engineer will issue a final Change Order reflecting approved adjustments to Contract Sum not previously made by Change Order.

1.04 FINAL CLEANING

- A. Execute prior to final inspection.
- B. Clean and flush drainage systems.
- C. Clean site; sweep paved areas, rake clean other surfaces.
- D. Remove waste and surplus materials, rubbish, and construction facilities from the Project and from the site. Owner will provide final cleaning after final acceptance.

1.05 PROJECT RECORD DOCUMENTS

- A. Store record documents separate from those used for construction.
- B. Keep documents current; do not permanently conceal any work until required information has been recorded.
- C. At Contract closeout, submit documents with transmittal letter containing date, Project title, Contractor's name and address, list of documents, and signature of Contractor.

1.06 WARRANTIES AND BONDS

- A. Comply with General Conditions and ordinances of local jurisdictions having authority.
- B. Make periodic inspections during guarantee period and correct defective work or correct defective work as directed by the Owner or appropriate governing authority.

END OF SECTION

EXHIBIT